

Notice of Allowability

Application No.

10/054,751

Examiner

Neveen Abel-Jalil

Applicant(s)

SOEMO ET AL.

Art Unit

2165

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to March 14, 2006.
2. ☒ The allowed claim(s) is/are 2-11, 13-22, 24, and 32.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


JEFFREY GAFFIN

Neveen Abel-Jalil
AU 2165

SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100

DETAILED ACTION

Remarks

1. The Amendment filed on 14-March-2006 has been received and entered. Claims 2-11, 13-22, 24, and 32 are pending.
2. Applicant's Amendment has overcome previous claim objections and rejections under 35 USC 112, second paragraph.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Harold C. Moore (Attorney of Record) on April 4, 2006.

Amendments to the Claims:

4. The claims has been amended as follows:

Replace claim 7 with the following:

Claim 7 (Currently Amended): The data storage system of claim 6 further including a database generation tool ~~operable~~ configured to generate a database file that defines a set of data fields for

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storing a set of data elements, said set of data fields including one or more data fields for collectively storing a set of Boolean data elements.

Replace claim 9 with the following:

Claim 9 (Currently Amended): The data storage system of claim 8 further comprising a file system ~~operable~~ configured to access said dynamic data contained in said dynamic data file using one or more memory pointers.

Replace claim 17 with the following:

Claim 17 (Currently Amended): The control system of claim 14 wherein said dynamic memory comprises a cache and wherein said database manager is ~~operable~~ configured to copy a set of data elements from said static memory into said cache when at least one of said set of data elements require modification.

Replace claim 21 with the following:

Claim 21 (Currently Amended): The control system of claim 14 further comprising a workstation coupled to said communication network, said workstation ~~operable~~ configured to execute a database interface software program, wherein said database interface software program enables user-access to said database.

Replace claim 32 with the following:

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Claim 32 (Currently Amended): A computer program product comprising a computer readable code stored on a computer readable medium, that is ~~operable when executed~~, executable by a computer to:

receive a data input file that defines a first set of data fields to be included in a database, said data input file including a plurality of data elements to be included in a database;

use said data input file to identify a second set of data fields that are each designated in said data input file for storing a Boolean element, said second set of data fields being a subset of said first set of data fields;

modify said first set of data fields to eliminate said second set of data fields; and,

create a catalog for said database, said catalog defining an arrangement of said first set of data fields, wherein said arrangement includes one or more new data fields for collectively storing said Boolean elements.

Allowance

5. Claims 2-11, 13-22, 24, and 32 are allowed over the prior art made of record.
6. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

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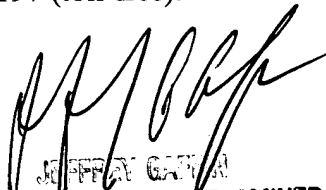
7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Neveen Abel-Jalil whose telephone number is 571-272-4074.

The examiner can normally be reached on 8:30AM-5:30PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on 571-272-4146. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Neveen Abel-Jalil
April 4, 2006


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